



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**HP Docket No.: 10960787- 11**

**Patent Application**

**Inventor(s): C. Venkatraman, et al.**

**Group Art: 2142**

**Serial No.: 09/863,300**

**Examiner: HARRELL, Robert B.**

**Filed: May 23, 2001**

**Title: Providing a Web Page for a Device Using a Web Server Embedded  
in the Device (as amended)**

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**DECLARATION OF JEFFREY A MORGAN**  
**UNDER 37 C.F.R. § 1.31**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I, Jeffrey A. Morgan, hereby declare that:

1. I am making this declaration under 37 C.F.R. §1.131 in connection with above identified patent application.
2. I am a co-inventor of the above identified application. The other inventor is Chandrasekar Venkatraman. Upon information and belief, Hewlett Packard Company is the assignee of record of the above identified patent application.
3. I am a citizen of the United Kingdom of Great Britain and Northern Ireland, and currently reside at 1401 Aster Lane, Cupertino, California 95014.
4. I am currently employed by Hewlett Packard Company of Palo Alto, California. I have been working for Hewlett Packard Company since February 3, 1986.
5. I have reviewed U.S. Patent No. 6,209,048, Wolff ("Wolff"), a copy of which is attached hereto as Exhibit 1. The Wolff patent was issued on March 27, 2001 and has a filing date of February 9, 1996.
6. I had no knowledge of the Wolff patent until in-house patent attorney, Eileen Lehmann, sent it to me in an e-mail of

April 13, 2005, a partially masked copy of which is attached hereto as Exhibit 2.

7. The invention disclosed and claimed in the above-identified patent application was conceived and reduced to practice in the United States of America prior to the filing date of the Wolff patent. The invention disclosed and claimed in the above-identified patent application was conceived in the United States of America no later than February 8, 1996. A working prototype containing the present invention disclosed and claimed in the above-identified patent application was operative in the United States of America no later than February 8, 1996.

8. Attached hereto as Exhibit 3 is a true and correct photocopy of four partially masked pages of my laboratory notebook. The entries in the attached four pages of my laboratory notebook show and discuss the use of web-based protocols to control a device. All of the attached four pages of my laboratory notebook were written no later than February 8, 1996.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under 18U.S.C. §1001, and that such willful false statements may jeopardize the validity of the above identified patent application or any patent issued thereon.

Executed on: April 21<sup>st</sup>, 2005, at Palo Alto, California

By: Jeffrey A. Morgan

Jeffrey A. Morgan

**From:** "Lehmann, Eileen" <eileen.lehmann@hp.com>

**Date:** Wed, 13 Apr 2005 14:57:08 -0700

**To:** "Venkatraman, Chandrasekar" <chandrasekar.venkatraman@hp.com>, "Morgan, Jeffrey A" <jeff.morgan@hp.com>

**Subject:** Another Reference

ATTORNEY CLIENT PRIVILEGED AND HP CONFIDENTIAL

Chandra and Jeff:

Please review the 6,209,048 patent

REDACTED

Thank you,  
Eileen

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OLE Features ~~supported~~ provided in OLE 2.0

Feature  
Object Embedding

Object Linking

Can be Supported on web  
NO - Assumes local Storage

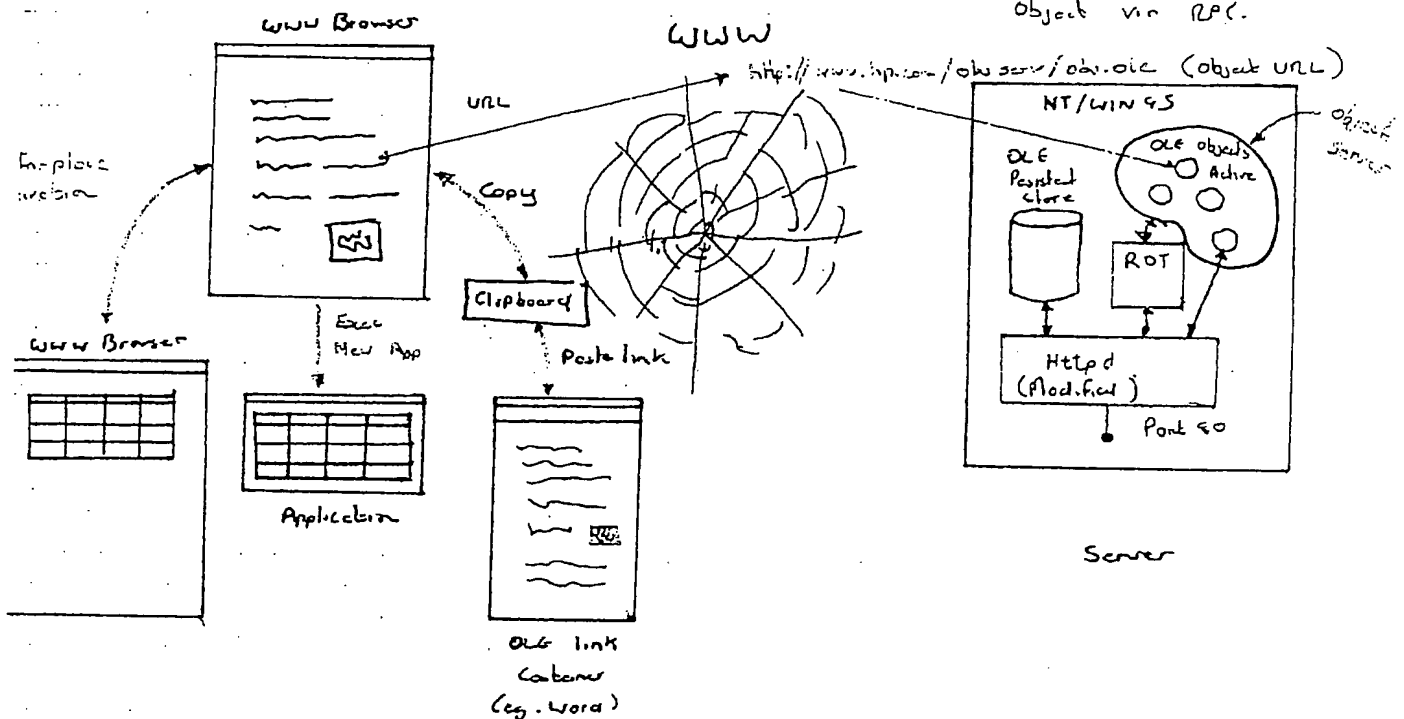
Yes - Access to native store format  
Via IPersistStream  
- Access to other interfaces  
could be supported as  
required.

Automation

Yes - Via support of IOleObject  
Interface. Client / Server  
only !!

Custom Interfaces

Perhaps - Requires either compiler  
support to generate proxies  
or out of band access to  
object via RPC.



new, on integration

## OLE Interfaces Required for First Phase

- IMonitor
- IRoot
- IPersistStream
- IDataObject (?) Check this one

### Questions

How do I activate the link on the client?

## Object binding on the Web

### 1. The URL

1.1 `http://www.hp.com/server/objectstore/Foo.obj`

The .obj extension defines that this is an object

1.2 `http://www.hp.com/server/objectstore/Foo.<objSys>`

<objSys> = The system identifier for an object manager  
eg.

OLE  
CORBA  
Media Objects

1.2 Is preferable to 1.1 because it allows objects to be managed based on system type.

Object managers can be registered with the Server to manage objects requests from client based on client system used. An abstraction can be developed allowing other object systems to be integrated into the server dynamically. In this case the server must provide a mechanism for dynamically linking object managers.

*De*

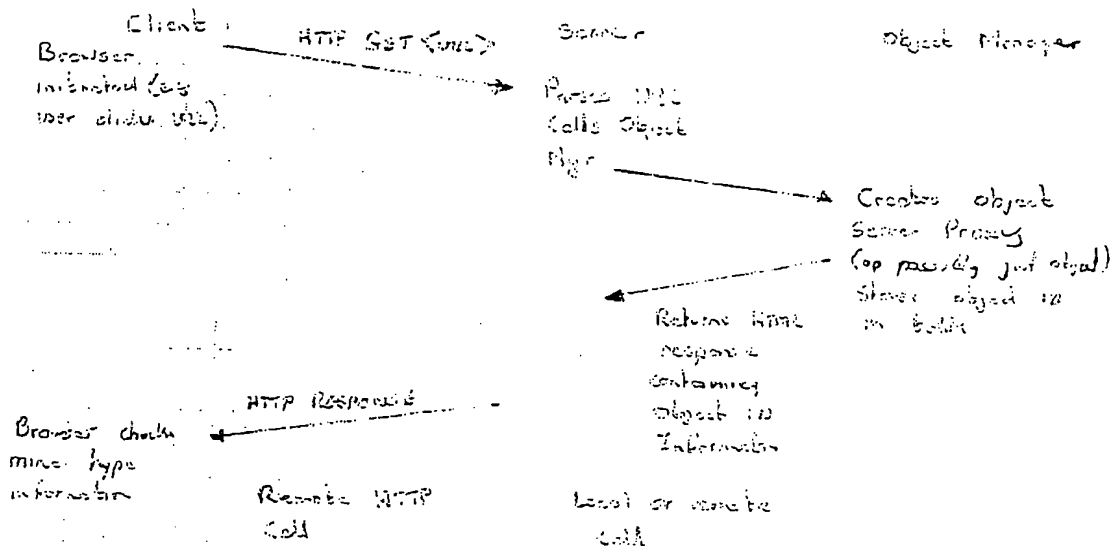
## Web/OLE Integration

### 1. The request information

- 2.1 Use the GET method to request access to a URL encoded as in 1.

~~The request format will differ depending on~~

The Get method will be sent to the server



### 3. The response information

The response header will have the following information

HTTP/1.0 200 Object Located <CLF>  
ALLOW: POST <CLF>  
Content-Type: <Object specific> <CLF>  
Message-Id: <unique object id>  
Content-length: <bytes>

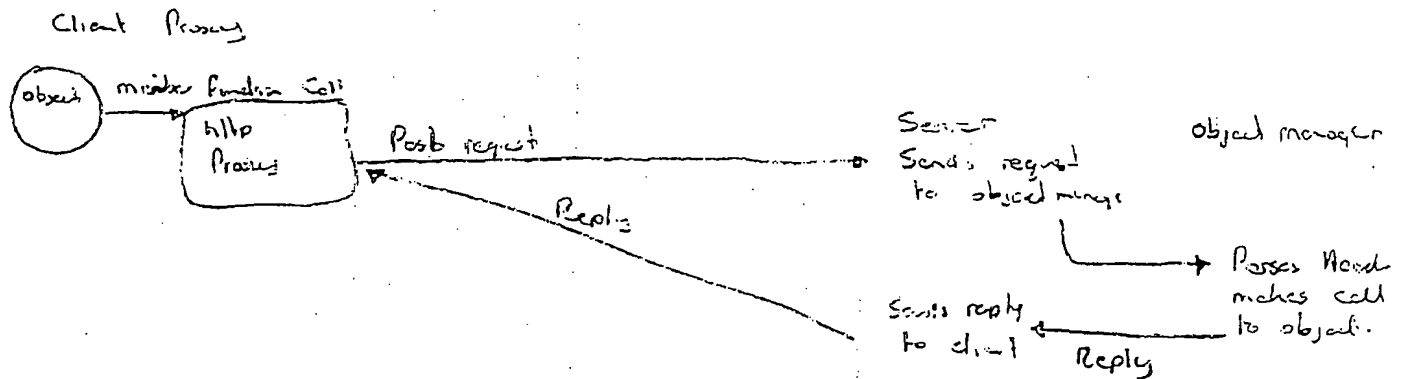
HTTP/1.0 404 Object Not Found <CLF>

se could optionally use Content-Encoding, Content-Transfer-Encoding, expires could be set to auto delete object at the server if no access within a set time, and security information can be sent in headers

4. The Post request will be used to send requests to the object.

The post request will include the following headers

Message-ID: <Object identifier>  
 Content-Type: <object specific code>  
 Content-Length: <Data sent to object>



5. The Reply response will be used to receive information results from the server

The Reply response will be:

Success

HTTP/1.0 200 Success <CRLF>  
 Message-ID: <object identifier>  
 Content-Type: <object specific>  
 Content-Length: <number of bytes>

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